

## Certificate of Product Approval

Certificate Number: 682d-(cl-3)

Issue: 03

### UNION CABLE COMPANY LIMITED

Faraday Road  
Astmoor Industrial Estate  
Runcorn  
WA7 1PE  
UNITED KINGDOM



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

#### Product(s)

Cable Types as listed below:  
Firetrax Xcel  
See Certificate Appendix for details

#### Standard(s) (see Appendix for details)

BS 7629-1:2015 (ENHANCED 120)  
BS 6387:2013 (CWZ)  
EN 50200:2015 (Class PH120)  
BS 8434-2:2003  
BS 5839-1:2013 (Clause 26.2 Enhanced)  
EN 60332-3-24:2009  
EN 60332-3-25:2009

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB

Tony Baker  
Certification Scheme Manager

01 June 2017  
Date of Issue

10 July 2013  
Date of First issue



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## Appendix to Certificate No: 682d-(cl-3) UNION CABLE COMPANY LIMITED

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Product name						LPCB Ref. No.
Firetrax Xcel						682d/01
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction (excluding drain wire and earth)	BS 7629-1	BS 6387	EN 50200	BS 8434-2	BS 5839-1 Clause 26.2
1.0 <sup>(1)</sup>	2	ENHANCED 120 <sup>(2)</sup>	C,W,Z	Class PH120	120min <sup>(3)</sup>	Enhanced <sup>(4)</sup>
1.5 <sup>(1)</sup>	2, 3 & 4	ENHANCED 120 <sup>(2)</sup>	C,W,Z	Class PH120	120min <sup>(3)</sup>	Enhanced <sup>(4)</sup>
2.5 <sup>(1)</sup>	2, 3 & 4	ENHANCED 120 <sup>(2)</sup>	C,W,Z	Class PH120	120min <sup>(3)</sup>	Enhanced <sup>(4)</sup>
4.0 <sup>(1)</sup>	2, 3 & 4	ENHANCED 120 <sup>(2)</sup>	C,W,Z	Class PH120	120min <sup>(3)</sup>	Enhanced <sup>(4)</sup>

### Uo/U 300/500V

#### Notes:

- Solid and stranded conductors.
- In meeting the requirements of BS 7629-1:2015, the Firetrax Xcel cables listed met the requirements for smoke density of EN 61034-2:2005+A1:2013, achieved less than 0.5%HCl for the outer covering, binder tape and insulation when tested in accordance with EN 60754-1:2014 and in addition also met the fire resistance requirements of BS 6387:2013 Categories CWZ.
- The duration of 120min when tested in accordance with BS 8434-2:2003+A2:2009 is achieved by 60min for the fire and mechanical shock phase and an additional 60min for the fire, mechanical shock and water phase.
- The Firetrax Xcel cables listed conform to BS 7629-1:2015, met Class PH120 when tested in accordance with EN 50200:2015 and met the 120min duration when tested in accordance with BS 8434-2:2003+A2:2009 and hence met the requirements for an enhanced fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.
- Where the cable diameter is greater than 12mm the cable is additionally approved to EN 60332-3-24.
- Where the cable diameter is equal to or less than 12mm the cable is additionally approved to EN 60332-3-25.

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Tony Baker  
Certification Scheme Manager

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